

IN THE CLAIMS

1 (Previously Presented). A method comprising:

- enabling a plurality of first wireless devices in a first wireless piconet to communicate using a first wireless protocol having a first range;
- enabling a plurality of second wireless devices in a second wireless piconet to communicate using a second wireless protocol having a second range;
- enabling the first and second wireless piconets to communicate with one another at a distance between the networks greater than the first or the second range;
- said first wireless piconet including a third device that communicates using said first wireless protocol and a third wireless protocol different from said first wireless protocol, said third wireless protocol having a range greater than said first and second ranges; and
- said second wireless piconet including a fourth wireless device that communicates using said second wireless protocol and said third wireless protocol.

2 (Original). The method of claim 1 including automatically enumerating a plurality of devices in a Bluetooth radio frequency network.

Claim 3 (Canceled).

4 (Previously Presented). The method of claim 1 including communicating information about said first wireless piconet over a telephone network.

5 (Previously Presented). The method of claim 1 including enumerating a plurality of devices in a second wireless piconet.

6 (Previously Presented). The method of claim 5 including combining said first and second piconets into a combined radio frequency network.

7 (Previously Presented). The method of claim 6 including enabling any device in said first wireless piconet to communicate through a telephone call with any device in said second wireless piconet.

8 (Previously Presented). The method of claim 7 including transmitting data between said first and second wireless piconets through said telephone call at the same time that a voice communication is ongoing between a device in said first wireless piconet and a device in said second wireless piconet.

9 (Previously Presented). The method of claim 8 including enumerating a cellular telephone as said third and fourth devices.

10 (Previously Presented). The method of claim 9 wherein one of said cellular telephones acts as a proxy for the devices in said first wireless piconet and the other of said cellular telephones acts as a proxy for the devices in said second wireless piconet.

11 (Previously Presented). An article comprising a computer storage medium storing instructions that, if executed, enable a processor-based system to:

- enable a plurality of first wireless devices in a first wireless piconet to communicate using a first wireless protocol having a first range;

- enable a plurality of second wireless devices in a second wireless piconet to communicate using a second wireless protocol having a second range;

- enable the first and second wireless piconets to communicate with one another at a distance between the networks greater than the first or the second range;

- said first wireless piconet including a third device that communicates using said first wireless protocol and a third wireless protocol different from said first wireless protocol, said third wireless protocol having a range greater than said first and second ranges; and

- said second wireless piconet including a fourth wireless device that communicates using said second wireless protocol and said third wireless protocol.

12 (Original). The article of claim 11 further storing instructions that enable the processor-based system to automatically enumerate a plurality of devices in a Bluetooth radio frequency network.

13 (Previously Presented). The article of claim 11 further storing instructions that enable the processor-based system to develop enumeration data for a plurality of devices in the first wireless piconet and communicate that enumeration data over a non-radio frequency network.

14 (Previously Presented). The article of claim 13 further storing instructions that enable the processor-based system to develop communications about said first wireless piconet over a telephone network.

15 (Previously Presented). The article of claim 11 further storing instructions that enable the processor-based system to receive enumeration data from a plurality of devices in a second wireless piconet coupled to said first wireless piconet by said non-radio frequency network.

16 (Previously Presented). The article of claim 15 further storing instructions that enable said processor-based system to combine said first and second wireless piconet enumeration data to develop a combined radio frequency network.

17 (Previously Presented). The article of claim 16 further storing instructions that enable the processor-based system to enable any device in said first wireless piconet to communicate with any device in said second radio frequency network.

18 (Previously Presented). The article of claim 17 further storing instructions that enable the processor-based system to transmit data from said first to said second wireless piconet via said call at the same time that a voice communication is ongoing between a device in said first wireless piconet and a device in said second wireless piconet.

19 (Original). The article of claim 18 further storing instructions that enable the processor-based system to implement cellular radio frequency communications.

20 (Previously Presented). The article of claim 19 further storing instructions that enable said third device which is a cellular telephone in said first wireless piconet to act as a proxy for other devices in said first wireless piconet.

21 (Previously Presented). A device comprising:
a radio frequency receiver;
a radio frequency transmitter; and
a processor to communicate using a first wireless protocol with devices in a first wireless piconet having a first range and to communicate with devices in a second wireless piconet using a second wireless protocol having a second range over a third wireless protocol having a range greater than said first or second range.

22 (Original). The device of claim 21 wherein said radio frequency transmitter includes a cellular radio frequency transmitter.

23 (Original). The device of claim 22 wherein said transmitter includes a Bluetooth transmitter.

24 (Original). The system of claim 21 including a transmitter to transmit information over at least two different radio frequency networks as well as a telephone network.

25 (Original). The device of claim 24 including a transmitter to transmit over a cellular telephone network and a Bluetooth network.

26 (Original). The device of claim 21 wherein said processor is programmed to receive enumeration data over a non-radio frequency network so as to combine the first radio frequency network with a second radio frequency network over said non-radio frequency network.

27 (Original). The device of claim 21 including a receiver and a transmitter to implement a telephone link while simultaneously exchanging data received over a separate radio frequency link.

28 (Original). The device of claim 21 wherein said transmitter packetizes voice data.

29 (Original). The device of claim 28 wherein said transmitter packetizes enumeration data and transmits it with packetized voice data.

30 (Original). The device of claim 29 wherein said device is a Bluetooth and cellular transceiver.